

Title (en)

METHOD AND MEANS FOR RELEASABLY RIGIDLY FASTENING TOGETHER BEAMS AND LIKE PROFILES

Publication

**EP 0032418 B1 19841010 (EN)**

Application

**EP 81300018 A 19810105**

Priority

JP 26180 U 19800107

Abstract (en)

[origin: EP0032418A1] A method and means for releasably and rigidly fastening together flanged metal profiles (1, 2) such as H-beams is described for use when the profiles cross at an angle and lie one on the other with flanges in contact. There are provided four clamps (8), one to fit each angle formed by the crossing profiles. Each clamp (8) has sides which meet at an angle corresponding to that which the clamp is to fit so that the sides about the contacting flanges (3,4). The sides have features (6) to embrace edge portions of the flanges (3,4) and protrude above the lower flange (4) and below the upper flange (3). The protruding portions of the sides of the clamps (8) are connected by bolts (9) which pass outside the profiles (1,2) so holding the profiles together without the need for providing bolt holes in them.

IPC 1-7

**F16B 7/04**

IPC 8 full level

**E01D 15/133** (2006.01); **E01D 21/00** (2006.01); **E04B 1/58** (2006.01); **F16B 2/12** (2006.01); **F16B 7/04** (2006.01)

CPC (source: EP)

**E01D 15/133** (2013.01); **E01D 21/00** (2013.01); **E04B 1/5812** (2013.01); **F16B 2/12** (2013.01); **F16B 7/0493** (2013.01); **E01D 2101/30** (2013.01); **E04B 2001/2424** (2013.01); **E04B 2001/2448** (2013.01); **E04B 2001/2457** (2013.01)

Citation (examination)

- DE 2245862 B2 19750430
- DE 1933380 U 19660224 - SONTHEIMER EBERHARD LUDWIG DIP [DE], et al
- FR 579382 A 19241015 - FORGES CHANTIERS MEDITERRANEE
- FR 41816 E 19330421 - BREV DE CONSTRUCTION S A ET
- FR 1526947 A 19680531 - CIE DE REALISATIONS IND ET TEC
- US 3144105 A 19640811 - CAPEK RICHARD C
- US 3701613 A 19721031 - TURNER ARTHUR RAYMOND
- US 3589660 A 19710629 - DUNCKEL BRUCE P
- FR 2182351 A5 19731207 - QUACCIA JACKY [FR]
- FR 2268968 A1 19751121 - CEM COMP ELECTRO MEC [FR]
- GB 973117 A 19641021 - HEYBROEK ZELANDER N V

Cited by

DE10138269A1; CN105804327A; FR2621340A1; CN1317992C; CN111593670A; CN115059284A; AT409977B; JP2015101837A; US7325997B2; US6669496B1; WO0027006A1; WO2022175269A1

Designated contracting state (EPC)

BE DE FR NL SE

DOCDB simple family (publication)

**GB 2066892 A 19810715**; **GB 2066892 B 19831123**; DE 3166530 D1 19841115; EP 0032418 A1 19810722; EP 0032418 B1 19841010

DOCDB simple family (application)

**GB 8100178 A 19810105**; DE 3166530 T 19810105; EP 81300018 A 19810105